

Form PTO-1449

## INFORMATION DISCLOSURE CITATION

## ON AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
MSA-023.01(20974-2301)Application Number  
09/888,056Applicant  
Kornman & DuffFiling Date  
June 22, 2001Group Art Unit  
1645

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JF	AA US 6,063,630	05/16/00	Treco et al.	435	463	
	AB US 6,204,062 B1	03/20/01	Ratner	435	463	
	AC US 5,686,246	11/11/97	Kornman et al.	435	6	
	AD US 5,698,399	12/16/97	Duff et al.	435	6	
	AE US 6,140,047	10/31/00	Duff et al.	435	6	
JF	AF US 6,210,872 B1	04/03/01	Hosaki et al.	430	631	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
JF	AG WO 00/08492	02/17/00	PCT			English Abstract on first page	
JF	AH WO 01/00880 A2	01/04/01	PCT				X

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

JF	AI	Postma et al.; "Genetic Susceptibility to Asthma Bronchial Hyperresponsiveness Coinherited with a Major Gene For Atopy", The New England Journal of Medicine, 333(14):894-900, (October 5, 1995)
	AJ	Hart & Kornman, "Genetic Factors in the Pathogenesis of Periodontitis", Periodontology 14 : 202-215, (1997)
	AK	Ahmed et al.; "Major Histocompatibility Complex Susceptibility Genes for Dermatitis Herpetiformis Compared with Those for Gluten-sensitive Enteropathy", J. Exp. Med. 178 : 2067-2075, (1993)
	AL	Dinarelli A. Charles; "Interleukin-1", Review of Infectious Disease, 6(1): 51-95, (January-February, 1984)
	AM	Molvig et al.; "Endotoxin-Stimulated Human Monocyte Secretion of Interleukin 1, Tumour Necrosis Factor Alpha, and Prostaglandin E <sub>2</sub> Shows Stable Interindividual Differences", Scand. J. Immunol. 27: 705-716, (1988)
	AN	Bendtsen et al.; "Association Between HLA-DR2 and Production of Tumour Necrosis Factor $\alpha$ and Interleukin 1 by Mononuclear Cells Activated by Lipopolysaccharide", Scand. J. Immunol. 28; 599-606, (1988)
	AO	Messer et al.; "Polymorphic Structure of the Tumor Necrosis Factor (TNF) Locus: An NcoI Polymorphism in the First Intron of the Human TNF- $\beta$ Gene Correlates with a Variant Amino Acid in Position 26 and a Reduced Level of TNF- $\beta$ Production", J. Exp. Med. , 173: 209-219, (January 1991)
	AP	Sinha et al.; "Autoimmune Diseases: The Failure of Self Tolerance", 248: 1380-1388, (June 15, 1990)
	AQ	Jacob et al.; "Heritage Major Histocompatibility Complex class II- Associated Differences in Production of Tumor Necrosis Factor $\alpha$ : Relevance to Genetic Predisposition to Systemic Lupus Erythematosus", Proc. Natl. Acad. Sci. USA, 87: 1233-1237, (February 1990)
JF	AR	Marsh et al.; "Linkage Analysis of IL4 and Other Chromosome 5q31.1 Markers and Total Serum Immunoglobulin E. Concentrations", Science 264: 1152-1156, (May 20, 1994)

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AU Happle and Hoffman; "Cytokine Patterns in Alopecia Areata Before and After Topical Immunotherapy", The Journal of Investigative Ophthalmology, 104(5): 14S-15S, (May 1995)

AV Wilson et al.; "Comparative Genetic Association of Human Leukocyte Antigen Class II and Tumor Necrosis Factor-Alpha with Dermatitis Herpetiformis", J. Invest. Dermatol. 104: 856-858, (1995)

AW Slotman et al.; "Interleukin-1 Mediates Increased Plasma Levels of Eicosanoids and Cytokines in Patients with Sepsis Syndrome", Shock 4(5): 318-323, (1995)

AX Abraham et al.; "Polymorphic MHC Ancestral Haplotypes Affect the Activity of Tumour Necrosis Factor-Alpha", Clin. Exp. Immunol. 92: 14-18, (1993)

AY Wilson et al.; "A Genetic Association Between Systemic Lupus Erythematosus and Tumor Necrosis Factor Alpha", Eur. J. Immunol. 24:191-195, (1994)

AZ Chaim O. Jacob, "Tumor Necrosis Factor  $\alpha$  In Autoimmunity: Pretty Girl or Old Witch?", Immunology Today 13(4): 122-125, (1992)

BA Degli-Esposti et al.; "An Approach to the Localization of the Susceptibility Genes for Generalized Myasthenia Gravis by Mapping Recombinant Ancestral Haplotypes", Immunogenetics 35: 355-364, (1992)

BB Cox et al.; "Comparative Analysis of the Genetic Associations of HLA-DR3 and Tumour Necrosis Factor Alpha wit Human IDDM", Diabetologia 37: 500-503, ( 1994)

BC Pociot et al.; "Association of Tumor Necrosis Factor (TNF) and Class II Major Histocompatibility Complex Alleles with the Secretion of TNF- $\alpha$  and TNF- $\beta$  by Human Mononuclear Cells: A Possible Link to Insulin-Dependent Diabetes Mellitus", Eur. J. Immunol. 23: 224-231, ( 1993)

BD Meyers et al.; "Evidence for a Locus Regulating Total Serum IgE Levels Mapping to Chromosome 5", Genomics 23: 464-470, ( 1994)

BE Sergio Romagnani; "Short Analytical Review TH1 and TH2 in Human Diseases", Clinical Immunology and Immunopathology, 80(3): 225-235, ( 1996)

BF Cork et al.; "Genetic control of Cytokines", Dermatologic Clinics, 14(4): 671-678, (October 1996)

BG D'Alfonso et al.; "A Polymorphic Variation in a Putative Regulation box of the TNFA Promoter Region", Immunogenetics 39: 150-154, (1994)

BH Cox et al.; "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet. 62: 1180-1188, ( 1998)

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Kornman KS et al.; "The Interleukin-1 Genotype as a Severity Factor in Adult Periodontal Disease", J. Clin. Periodontol. 24:72-77, (1997)

EXAMINER

/Jeffrey Fredman/

DATE CONSIDERED

04/27/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.